

# Inventions & Innovation Project Abstract

## Versatile and Rapid Plasma Heating Device for Steel and Aluminum

Bayzi Corporation's technology allows for easy directed plasma beams on to a surface of a metallic part. The heat transfer that ensues is of high efficiency and extreme rapidity, surpassing any other available technology. In addition, the device allows for blanketing the part with nitrogen when air is used as the medium. The resultant devices with this technology offer substantial energy and materials savings and very high productivity.



### Contact

*Bayzi Corporation  
750 Redna Terrace  
Cincinnati, OH 45215*

*Contact: Dr. Anu Vissa  
Telephone: 513-772-0404  
Email: [info@bayzi.com](mailto:info@bayzi.com)*



U.S. Department of Energy  
Energy Efficiency and Renewable Energy